NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

STATE OF NEVADA
Department of Conservation & Natural Resources
Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

LEAD AND COPPER RULE SAMPLING PLAN
Revised 12/02/2015

Return Form to: Bureau of Safe Drinking Water, 901 South Stewart Street, Suite 4001, Carson City, NV 89701
Phone: 775-687-9521 Fax: 775-687-5699

LEAD AND COPPER SAMPLING PLAN

I. General Information		
Public Water System (PWS) Name:		
PWS Identification Number: NV000	**PWS Population (average daily):**	
PWS Type:(Community, Non-Transient Non-Community)		
Source Water type: (Surface, GWUDI, Ground, Purchased)		
PWS Owner:		
Contact Person:	**Contact Person's Title:**	
Contact Person's Mailing Address:		
City:	**State:**	**Zip Code:**
Telephone Number:	**Fax Number:**	
Contact Person's E-Mail Address:		
Disinfectant Type:（None, Chlorine, Chloramines, Chlorine Dioxide, Ozone)		

- This form is to be used by Public Community Water Systems (CWS) and Public Non-Transient Non-Community (NTNC) Water Systems.

- Read the "Guidance for Small Water Systems to Comply with the Lead and Copper Requirements". Systems may also want to review the EPA Publication entitled "Lead and Copper Monitoring Guidance" (EPA-816-R-02-009).

- Complete all sections of the Lead and Copper Sampling Plan form, marking N/A where not applicable. Incomplete forms will be returned to the system. The owner or water operator on record for the system must sign the form.

- Mail a signed copy of the form to the following address: Bureau of Safe Drinking Water (BSDW), 901 S. Stewart St., Suite 4001, Carson City, NV 89701.

- The Bureau will supply a written decision on your plan. If your plan is not approved, please make corrections as requested and re-submit to BSDW. Attach approval letters to the plan and file with your water system records for easy referral.

II. Instructions

Lead and Copper sample site plan includes Four Elements:

1. **Lead & Copper Tap sample site location listing**.
   List sites in the Table below. Include two digit Location ID # you have assigned to the location (01, 02, 03 …), the Address/ Room # (for Non-transient facilities), and indicate whether it is a Tier 1, 2, or 3 site or whether site is served by a lead service line .

   For <u>Community Water Systems</u>, lead and copper tap water samples must be collected from sampling locations that meet one of the following criteria:

   Tier 1. Single family structures that contain lead pipes, or copper pipes with lead solder **installed between 1982 and 1989,** and/or are served by lead service lines.

   Tier 2. Buildings and multiple-family residences that contain lead pipes, or copper pipes with lead solder **installed between 1982 and 1989,** and/or are served by lead service lines.

   Tier 3. Single family structures, constructed as a single family residence and currently use as either a residence or business, that contain copper pipes with lead solder **installed before 1983.**

   Sampling pools should consist of Tier 1 sites. If a water system contains lead service lines, 50 percent of the sampling sites should be served by a lead service line. **If the water system contains fewer buildings than the required number of sampling sites, samples may be collected from different taps within the buildings, and should consist of sites representative of the history and distribution of the system.** The taps should be taken from those sites most commonly used for drinking. If the system has an insufficient number of these taps to take each sample from a different tap, a reduced number of sample taps may be considered.

   For <u>Non-transient Non-community Water Systems</u>, lead and copper tap water samples must be collected from sampling locations that meet the following criteria:

   Tier 1. Buildings that contain copper pipes with lead solder **installed between 1982 and 1989,** lead pipes, and/or are served by lead service lines.

   A system that has an insufficient number of tier 1 sampling sites shall complete its sampling pool with sampling sites that contain copper pipes with lead solder installed before 1983. **If additional sites are needed, the system shall use representative sites throughout the distribution system in which the plumbing materials used at the site would be commonly found at other sites served by the system.**

2. **Water Quality Parameter sample site locations (if applicable).**
   All large water suppliers and those small & medium sized systems that have exceeded the lead and copper action level are required to monitor for pH, Alkalinity, Calcium, Conductivity, water temperature, and Orthophosphate when an inhibitor containing phosphate is used or Silica when an inhibitor containing a silicate is used. These parameters help to identify optimal treatment, and after lead and copper corrosion control treatment is installed, and are used to determine whether a system remains in compliance with the rule. Sampling is conducted at the Entry Point to the distribution systems, and at representative sites throughout the distribution.

3. **Materials evaluation of the distribution system.**
   Systems should survey all records documenting the materials used in construction and repair of their distribution system and buildings connected to their distribution system in order to identify a sufficient number of lead and copper tap sampling sites.

4. **Certification that proper sampling procedures are used.**
   A copy of the proper sampling procedure Certification is included in the plan to demonstrate that your system is satisfying this requirement. Systems need to certify that sample collectors follow the EPA collection procedures.

III. Helpful Tips

As per 40 CFR 141.86(b)(2), each sample for Lead and Copper shall be one liter in volume and have stood motionless in the plumbing system of each sampling site for at least six hours. First-draw samples from a nonresidential building shall be one liter in volume and shall be collected at an interior tap from which water is typically drawn for consumption. Based upon the results from initial monitoring of Lead & Copper, future monitoring frequencies will be developed. If there is a need to change a sample site, contact BSDW for approval prior to sampling.

If the System does not exceed either the lead or copper action levels at the 90^{th} percentile in both the first and second rounds of sampling, monitoring may be reduced in number and frequency. Samples for reduced monitoring must be taken between June 1 and September 30 of each year. Reduced sampling may continue until there is an exceedance of the 90^{th} percentile or a change occurs to the source water or treatment program of the System.

IV. Sample ID and Location

Certification of Sampling Sites continued (Please attach additional pages as necessary)	
Sample Location (Site or Address):	**Tier Classification (1,2,3 or other):**
01.	
02.	
03.	
04.	
05.	
06.	
07.	
08.	
09.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	

Attach additional copies of this sheet if more room is needed.

IV. Material Evaluation

Record Materials Evaluation		
Pipe Material	**Year Installed**	**Comments**

Attach additional copies of this sheet if more room is needed.

Do the plumbing materials in your system contain plastic pipes which contain lead plasticizers? **Yes or No?**

_____

Do the plumbing materials in your system contain lead service lines, lead pipes or lead soldered pipe joints? **Yes or No?**

_____

Do the plumbing materials in your system contain leaded brass or bronze alloy fittings and fixtures that do not meet the definition of "Lead Free" as established by SDWA section 1417(e) **Yes or No?**

_____

V. Distribution System Schematic

Attach a schematic of your distribution system
Show system facilities locations of sources, treatment plant, storage, pump stations, disinfectant applicators (e.g. chlorinators), and proposed sample sites.

VII. Signature of System Owner or Administrative Contact

I have read the Lead and Copper Sampling Plan Guidance document and certify that the above information is true and accurate to the best of my knowledge.

Signature _____ **Date:** _____

Printed Name _____ **Title:** _____